

CLAIMS

1. Wheel balancing device (10) comprising a balancing weight (12) and a clip (11) adapted to be fixed to said wheel, said balancing weight being made of a zinc alloy and being, together with the clip, coated with an anti-corrosion protective layer (13).

2. Device according to claim 1, characterized in that the balancing weight is molded over a portion of the clip.

3. Device according to claim 1 or claim 2, characterized in that the material constituting the balancing weight is a zinc-aluminum alloy.

4. Device according to claim 3, characterized in that the material constituting the balancing weight contains at most trace amounts of copper.

5. Device according to any one of claims 1 to 4, characterized in that the material constituting the balancing weight is an alloy comprising at least 95% by weight zinc.

6. Device according to any one of claims 3 to 5, characterized in that the material constituting the balancing weight contains 96% zinc and 4% aluminum.

7. Device according to any one of claims 1 to 6, characterized in that the protective coating is of epoxy resin.

8. Device according to any one of claims 1 to 6, characterized in that the protective coating comprises essentially zinc.

9. Device according to claim 8, characterized in that the protective coating is obtained by electroplating with zinc.

10. Device according to claim 8, characterized in that the protective coating is formed of one or more layers of zinc in a polymerized binder.

11. Device according to claim 8, characterized in

that the protective coating is formed of two or more layers of zinc in a polymerized binder.

12. Device according to any one of claims 7 to 11, characterized in that the coating contains pigments that determine its color.

13. Set of balancing devices according to any one of claims 1 to 12, said devices having weights ranging from at least 5 g to at least 60 g.

14. Wheel comprising a rim, a tire and at least one balancing device according to any one of claims 1 to 12.

15. Wheel according to claim 14, comprising at least one balancing device on each side of its rim.

16. Method of fabricating a wheel balancing device comprising the following steps:

- making a clip,
- molding a zinc alloy balancing weight over this clip,
- dipping this clip conjointly with the balancing weight in a bath containing a polymerizable resin charged with zinc,
- curing the resin coating the combination of the clip and the balancing weight.

17. Method according to claim 16, characterized in that pigments are placed in the bath.

18. Method according to claim 16 or claim 17, characterized in that it includes a second phase of dipping in a bath and a second curing phase.

19. Method according to any one of claims 16 to 18, characterized in that centrifuging is effected between dipping and curing.